



— Y-12 BULLETIN

A Newspaper For Y-12 Employees of Union Carbide Corporation—Nuclear Division

VOL. 21 — NO. 37

OAK RIDGE, TENNESSEE

Wednesday, October 4, 1967



AT LEFT THE TRAILER PORTION of this rig houses the In Vivo Radiation Monitoring Laboratory designed and constructed here. The mobile lab contains radiation detection equipment for examining personnel within the

Atomic Energy Commission-Oak Ridge Operations installations. At right L. M. Case, left, and C. M. West, right, explain to U.S. AEC biologist, C. W. Shoup, the operation of the digital computer and multichannel

analyzer used in the monitoring laboratory. The lab, housed in a trailer, will be used routinely within AEC-ORO installations.

Guard Union Backs Y-12 United Fund

"The Guard Union wholeheartedly endorses the Y-12 employees' United Fund Drive this year.

Seldom does a day pass that the good works of agencies in the United Fund are not apparent.

We saw the Red Cross in action in Oliver Springs this summer, speeding to the scene to help those in distress. We see the Boy's Club giving our youth wholesome recreation. We see the noble work of the Daniel Arthur Rehabilitation Center right here in Oak Ridge.

Mental Health, care of the aged, the young, and the helpless . . . it's all part of the big picture.

We fit into this picture with our contributions and our support. Many of our co-workers lend their time and talents to these causes. The Rescue Squad is particularly close to all of us. These volunteers give of their time freely.

The least we can do is support these agencies as individuals.

Green Arrow Is Sometimes Ignored

The green arrow under the red light at North Portal's eastern end, near the Biology Gate, means that you can proceed to make a right turn if there is no one approaching in the Pick-Up Lane.

Many Y-12ers wait until the light turns green before turning toward Oak Ridge. (Reminds us of the motorist who stops on the entrances of the expressway when you have a warm-up lane in which to blend into traffic.)

The traffic flow out of the plant has been improved through the years, and the green arrow was installed on the light after the extra lane of traffic was provided going east.

Remember, you don't have to wait if no one is coming in the Pick-Up Lane.



Glenn A. Atchley

Without our help, many of them would never exist."

Glenn A. Atchley

GLENN A. ATCHLEY
Co-Chairman Y-12 United Fund
International Guards of America,
Local 3.

Time Error Posted In Last Week Bulletin

Day-light saving time does not expire this week. Day-light saving time will operate until 2 a.m., Sunday, October 29.

We picked up an error and ran it in last week's Bulletin. Standard time returns Sunday, at 2 a.m., October 29.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
Three Days Or
46,000 Man-Hours
(Unofficial Estimate)
Through October 1
Without a Disabling
Injury
Safety At Home
At Work, At Play

'In Vivo' Mobile Unit Built Here

Y-12 has designed and constructed a mobile laboratory equipped to measure radioactive elements in the human body.

The In Vivo Radiation Monitoring Laboratory was built at the request of the U.S. Atomic Energy Commission's Oak Ridge Operations Office for routine use as an additional monitoring instrument in radiation safety programs at plants and laboratories under ORO.

The IVRML, housed within a 40 feet by eight feet trailer, contains a steel-walled counting room and an office-laboratory. The counting room is fabricated of five-inch laminated steel to prevent natural background radiation from interfering with the monitoring of an individual. The shielding and the use of nine by four inch sodium iodine crystals provide sufficient sensitivity to detect as little as one-millionth of an ounce of uranium within a body organ.

A person undergoing examination lies on a cot in the counting room for 20 minutes while two detectors monitor him for radiation content. In pulses from the detectors are relayed to an analyzer-computer outside the chamber. Estimates of radioactive body burdens are made available within minutes after an examination is completed.

Operated by one person, the mobile laboratory has a counting capacity of approximately 70 persons for a standard 40-hour week.

The design work for the IVRML was performed by Y-12 Plant health physicists and development engineers.

The mobile laboratory was on display in the Open House event September 2, and 3 in Y-12.

UNSELFISH CHILD

About the only things a child will share willingly are communicable diseases and family secrets.



L. M. SCOTT, Y-12 HEALTH PHYSICIST, demonstrates the use of a radiation monitoring device on a dummy within the shielded counting room of the In Viro Monitoring Laboratory.

LRL's Nix Is Guest At Physics Seminar

J. R. Nix, Lawrence Radiation Laboratory, Berkeley, is guest speaker at this week's Physics Division seminar. His subject is, "Dynamical Calculations of the Division of Idealized Nuclei."

The seminar is set for Friday, October 6, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.

Current Badge Exchange Lasts 'Til Wednesday

Y-12ers have until next Wednesday, October 11, to exchange their badges in the new quarterly badges exchange.

The yellow-bordered means of identification will stay in the self-service racks until 11 p.m. next Wednesday.

Have you changed your badge yet?

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor

Member



Appalachian
Industrial
Editors' Association

American Association Industrial Editors

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Home Fires Claim Too Many Lives

Fires in the home claim about six thousand lives a year. Almost one-third of all the fire victims are children.

There is a need for fire safety in the home. A fire extinguisher should be in every home to extinguish or control small fires until help arrives. Because of its non-conductive characteristics, and its effectiveness on all other types of small fires in the home, the best type of fire extinguisher for the home, car or boat is the dry chemical type. For the home or car the extinguisher should have a capacity of at least two and one-half pounds. The capacity for a boat should be at least five pounds.

All extinguishers should be approved by recognized testing laboratories, and display their labels. Fire extinguishers used on a boat must be of the marine type and U.S. Coast Guard approved.

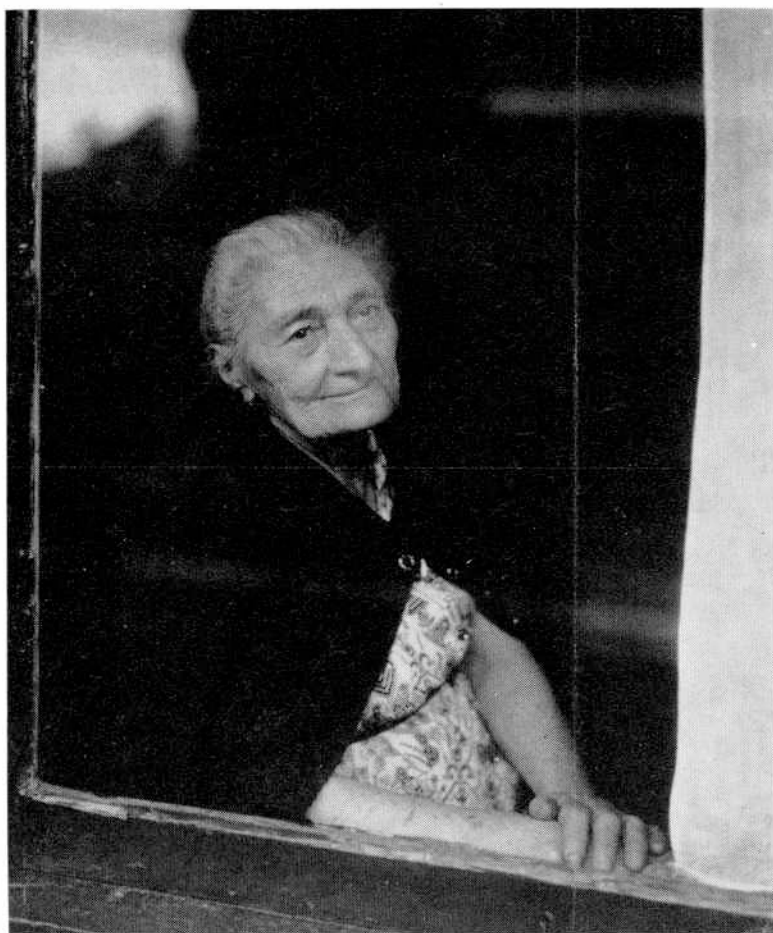
One dry chemical extinguisher should be carried in each car or boat. A good rule-of-thumb for the home is at least one dry chemical fire extinguisher for each floor of the home, or one in the workshop and one close to the kitchen.

Emergency procedures in case of fire in the home are: (1) excavate all persons to a safe area; (2) call the fire department and give name and correct address; and (3) attempt to extinguish or control the first until the fire department arrives.

Obey security regulations.



LITTLE JOYCE ENGLAND was born September 11 to Barbara and Jim England, at Baptist Hospital, Knoxville. England, Engineering Mechanics, said Joyce Ann weighed only four pounds, 14 ounces, but is gaining weight now.



"THE ELDERLY NEED TO BE NEEDED."

'A Need To Be Needed' Is Principal Problem For Society For Older Citizens

"Geriatrics," it's known as by the purist.

To us it is the aged.

Since Judaism injected respect for our older citizens into Western Civilization centuries ago, what to do about the older citizens has long been with us. (The ancient Romans and Greeks threw them outside the city walls.)

With medical science extending our life-span every day, the problem will be more acute as time passes.

In the July-August issue of Think magazine, IBM's publication, John W. Gardner, U. S. Secretary of Health, Education and Welfare, writes "Old people need to be needed."

Old age . . . or golden years . . . of whatever name you call it poses new and different problems for our time.

The local Y.W.C.A. is tackling this problem with its "40-Plus" Club . . . an organization of ladies past retirement age. They gather every Friday in the United Church, Oak Ridge, at 11 a.m. . . have devotions, lunch, and table games. Thus, the "Y", one of the United Fund agencies in town, is approaching the problem with positive action.)

Almost every family has a 'senior citizen' somewhere in the background . . . either living with children, or brothers or sisters. Naturally, we want the best there is for these people who have earned their rightful rest.

Through various agencies of the United Fund, we can at least begin work on the problem.

Gardner further states, "That is why we must design our arrangements for older people in such a way that those who wish it can be near their families, rather than in some distant housing project for the elderly; and those who wish it can remain in their own neighborhood, rather than migrate to some 'retirement community.' And that is why it is useful for companies and unions to have retirement clubs and communities and other arrangement to permit continuing identification by the older person with the world he belongs to and knows best."

Many of the United Fund agencies are looking for volunteers with willing hearts. What better person could fill these needs than a retiree? An elderly person needs to have something to occupy their hands and minds and hearts, Gardner states.

Thus, when we contribute to the Y-12 employee's United Fund Drive this year, we are doing our share in caring for the elderly among us. The day is fast approaching when we will all be listed in the 'senior citizen' category.

Most older Americans now have some measure of security—in terms of income, housing and medical care. What is missing most is useful, relevant work.

Remember, when you support the United Fund, you are helping do something about geriatrics.

Traffic Facts

A total of 53,000 people lost their lives in traffic accidents during 1966. Of these 35,100 were drivers or passengers in automobiles. If they had been using seat belts, at least 8 to 10,000 of those lives would have been saved, according to the National Safety Council.

Three-fourths of all accidents occur within 25 miles of home. Half of all injury-producing accidents occur at impact speeds of 40 m.p.h. or less!

Your chance of survival is five times greater if you stay inside the car. Thousands of deaths and serious injuries are caused by being thrown from the car . . . being dragged or run over by another vehicle . . . or being run over by your own vehicle.

THE FAIRER SEX

The Metropolitan Life Insurance Company estimates that by 1980 there will be 13.5 million women in the United States over 65 years of age and they will outnumber men in a ratio of 1400 to 1000. There are at present 4 million more women than men in all age groups.

Security is your responsibility.

Freedom Shares Offered To Y-12ers Thru November

Union Carbide Corporation is again cooperating in the U.S. Savings Bond campaign. This year the campaign, known as the 1967 Payroll Patriots Bond Campaign, introduces the new U.S. Savings Note — "Freedom Share" — that may be bought not separately but in combination with Series E Savings Bonds.

Like Series E Bond, the Freedom Shares are bought at a discount and the increase in face value represents "interest." This will average 4.75 percent a year when the Freedom Shares are held to their maturity in four and one-half years. Series E Bonds return an average of 4.15 percent when held to their maturity in seven years.

Union Carbide's campaign will run from October 1 to November 30. In light of each employee's judgment and investment plans, he may wish to consider purchasing Savings Bond or increasing his present purchase of the Bonds and also purchasing the Freedom Shares. The Corporation's long-established Payroll Allotment Plan has been adapted to permit the authorization of deductions for Freedom Shares in addition to Savings Bond. Further details and enrollment forms may be obtained from your supervisor, or from the Paymaster.

Some Questions and Answers about Freedom Shares.

Q: What are Freedom Shares?

A: They are the new U.S. Savings Note—a companion product to the Series E Savings Bond.

Q: Who may buy Freedom Shares?

A: Any individual who purchases Series E Bonds regularly through a formal plan—either Payroll Savings where he works

or Bond - A - Month where he banks.

Q: What is the interest rate on Freedom Shares?

A: 4.74 percent compounded semiannually, when held to maturity of four and one-half years. The rate is less if redeemed prior to maturity; and they may not be redeemed for at least one year.

Q: Does this same rate now apply to E Bonds?

A: No. E Bonds continue to return an average of 4.15 percent when held to their seven-year maturity.

Q: What do Freedom Shares cost?

A: They are issued in face amounts of \$25, \$50, and \$100. Purchase prices are \$20.25, \$40.50, \$60.75, and \$81.00.

Q: Can Freedom Shares be bought by themselves?

A: No. They must be bought in conjunction with E Bonds of the same or larger face amounts.

Q: Can I buy as many Freedom Shares as I want, as long as I buy E Bonds of the same or larger amounts?

A: No. On Payroll Savings, Freedom Share deductions are limited to \$20.25 per weekly pay period, \$40.50 per bi-weekly or semimonthly pay period, \$81 per monthly pay period. On Bond-A-Month, the limit on Freedom Share deductions is \$81 per month.

Keeping America strong is a job for all of us. U.S. Savings Bonds have helped the cause for years. Now, Freedom Shares are yet another way a citizen can help his country . . . and himself.

Join the Star-Spangled Freedom Plan now. Sign up for U.S. Savings Bonds and the New Freedom Shares.



JOIN THE
STAR-SPANGLED
FREEDOM
PLAN

SIGN
UP FOR **U.S. Savings Bonds**
New Freedom Shares



Two car pool members wanted from Norwood area, Knoxville, to North or Central Portal, straight day. Eugene Keith, plant phone 3-5606, home phone Knoxville 689-2229.

Will join car pool from East Village, Oak Ridge, to West Portal, straight day. P. A. Williams, plant phone 3-5078, home phone Oak Ridge 483-1738.

Ride wanted from Forest Hills Apartments, Sutherland Avenue, Knoxville, to North or Central Portal, straight day. Fran Hopper, plant phone 3-5241, home phone Knoxville 584-6408.

Ride wanted from Taliwa Garden Drive, off Chapman Highway, Knoxville, to West Portal, straight day. Virginia George, plant phone 3-7226, home phone Knoxville 573-4387.

Will join car pool from Lovell Heights Road, Concord, to North or Central Portal, straight day. Nancy Brown, plant phone 3-

Camera Club Looks At Christmas Photos

The Carbide Camera Club will look at "Ideas for Photo Christmas Cards," at its meeting next Tuesday, October 10, at 8 p.m. at the First Presbyterian Church. The presentation is around 100 black and white and color slides, and lasts about 45 minutes.

Competition for October is portraits . . . and the dead-line has past.

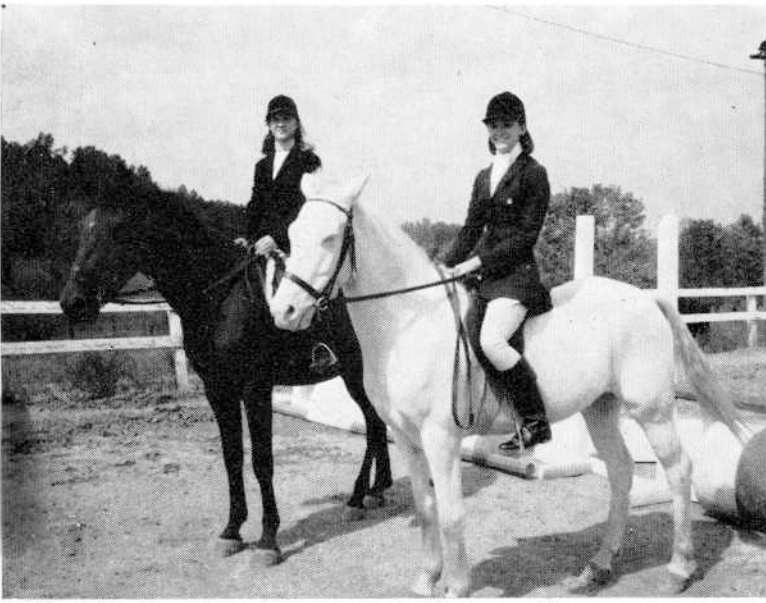
5241, home phone Knoxville 584-9756.

Ride wanted from Bennington Avenue, West Knoxville section, to West Portal, G Shift. Harry Tobe, plant phone 3-5484, home phone Knoxville 584-7657.

Ride wanted from Pallas Road, off Pennsylvania, to West Portal, straight day. Lucy Parker, plant phone 3-7784, home phone Oak Ridge 482-2619.

NO INFLATION

There's only one thing left that will give you more for your money than it did 10 years ago—the penny scale at the corner drugstore.



DIANNE KOONTZ AND MARY JANE KISIAH, are shown above, left to right, preparing for a Pony Club activity. Dianne, on Never Fear, is the daughter of L. F. Koontz, Engineering; and Mary Jane on Ali Baba, is the daughter of W. J. Kisiah, Maintenance.

U.S. Pony Club Is Begun Here As Y-12ers' Children Participate

A meeting of the Oak Ridge members of the Pony Club will be held at Miller's Community Room, Thursday, October 12, at 7:30 p.m.

The United States Pony Club is an organization dedicated to encouraging interest in riding in the hope of preparing Olympic riders. The idea was imported from

England where it originated when the British military, which was the primary source of their Olympic riders, eliminated their horses.

The training offered by the Oak Ridge group covers all phases of horse care, known as horsemastership, as well as horsemanship in riding, jumping, open jumping and hunting techniques.

Although the training is primarily aimed at the nine to 18-year-old group, anyone interested in horses will find it of value and everyone is invited. Contact Mrs. W. J. Grumbach, Oak Ridge telephone 483-1470, or Mrs. C. E. Murphy, 482-2326, for additional information.

Folk Dance Group Begins Sets Tonight

The Oak Ridge Folk Dancers invite all Y-12ers interested in the fine art of dancing from other cultures to join them each Wednesday.

The group meets from 8 to 10 p.m. Wednesday, beginning tonight, at Elm Grove Elementary School, on Tennessee Avenue, Oak Ridge.

Dancers have been attending folk dance workshops during the summer and fall and will be teaching new dances learned there. Old familiar dances will be included as usual. Ken Warren, assisted by various members of the group, acts as leader.

A small fee (from 25 to 50¢ is charged).

Just come on out if you are interested.

Couples or singles are welcome.

Turkey Shoot Set By Shifters

E, F, G, H and J Shifters are starting the Fall season off with a bang! A big Turkey Shoot is planned for Saturday, October 21 at the Oak Ridge Sportsman's Association Range.

Firing begins at 10 a.m. and there will be 40 relays (40 turkeys, to be won, that is.)

All Union Carbide employees in Y-12 and their immediate families are invited to attend by the alphabet soup group.

Firing is only 25 cents a shot.

Play-Off Set On Melton Greens

The Melton Hill Golf League teed-off last Monday, September 25, and Tuesday, September 26, for final league action to determine a champion.

A new pair came up a big-dogs in the league's second-half . . . Joel Garber and Roy Huddleston, a mere one point ahead of E. N. Rogers and L. C. Watson. The Huddleston-Garber duet boasts Jerry Cadden as back-up man and the Rogers-Watson pair claim J. C. Thompson Jr.

Bruce Hogg and Don Huffman won the league's first half and will play Garber-Huddleston this week to determine over-all champs. The Rogers-Watson pair are runners-up in both halves. Hogg-Huffman rely on W. A. Rutherford for relief.

In last week's firing Herm Butler and E. B. Braden came up with low scores of 40 . . . Bill Grubb and Mac Wright each took 42. In handicap scoring it was Butler with 34; Braden and Huddleston with 37, T. Butler and Rogers with 38.

Six point wins went to Henderson-Bryant over Dill-Hopwood, Roberts-Arnold over Clabough-Redding, and Alvey-Gamble over Boyd-Sise. Garber-Huddleston took four from Batch-Winstead . . . Wright-H. Butler downed T. Butler-Perry, and Hamby-Braden did likewise by Hogg-Huffman.

The play-off match was set Monday, October 2, to be followed by a big dinner by the league members at the club.

Final standings follow:

Team	W	L
Garber-Huddleston	34	14
Rogers-Watson	33	15
Batch-Winstead	31	17
Wright-H. Butler	31	17
Tiller-Nelson	31	17
J. Grubb-B. Grubb	28	20
Hamby-Braden	27	21
Hogg-Huffman	26	22
Brown-Gresham	25	23
Morehead-Poly	25	23
T. Butler-Perry	24	24
Henderson-Bryant	23	25
Roberts-Arnold	21	27
Alvey-Gamble	19	29
McGinnis-Burris	16	32
Boyd-Sise	16	32
Clabough-Nobles	16	32
Dill-Hopwood	6	42

Recreation



Monday, October 9

BOWLING: 5:45 p.m., C League, Ark Lanes.

TENNIS: League play as per schedule, to be arranged by players.

TABLE TENNIS: 7 p.m. Oak Ridge Wildcat's Den.

Tuesday, October 10

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gym.

CAMERA CLUB: 8 p.m., Oak Ridge First Presbyterian Church.

Wednesday, October 11

CARBIDE RIFLE LEAGUE: 7 p.m. Clinton Rifle Range.

BOWLING: Mixed League, 8 p.m., Ark Lanes.

Thursday, October 12

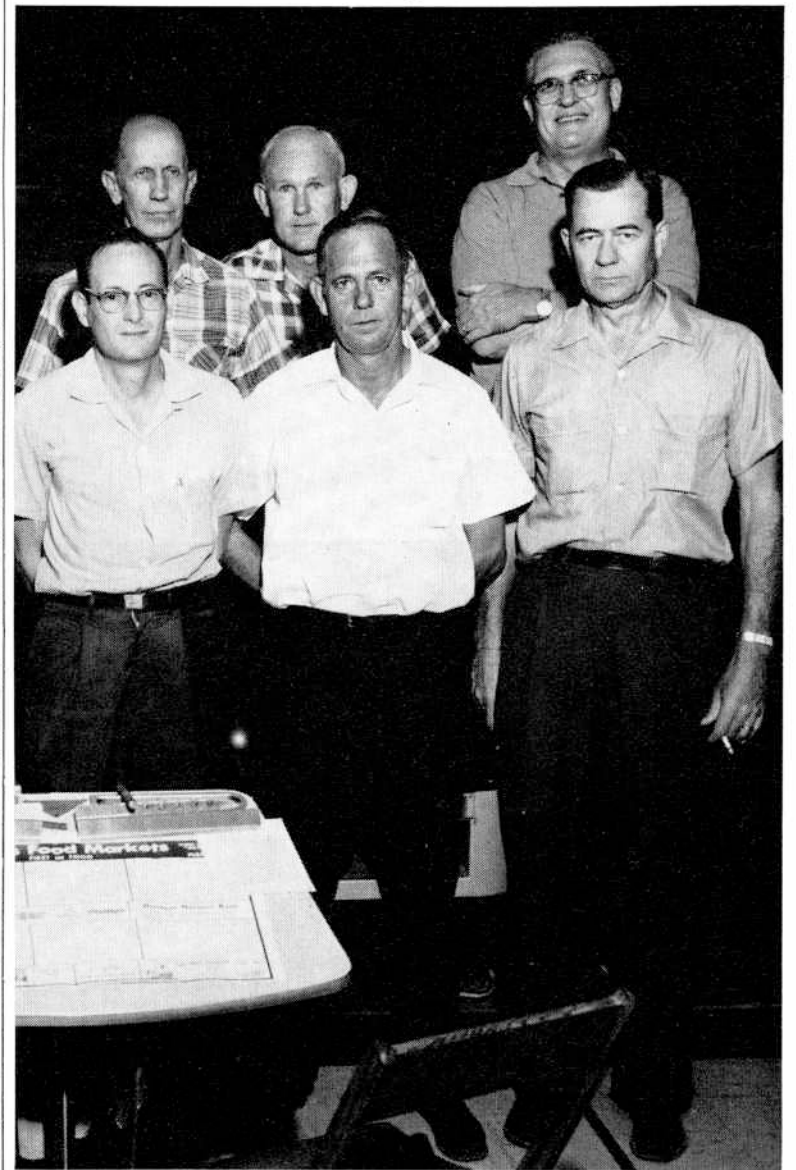
BOWLING: Classic League, 5:45 p.m., Ark Lanes.

HORSESHOE LEAGUE: 7 p.m. City Courts, Jackson Square.

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gym.

AIR POLLUTION

The U. S. Health, Education and Welfare Department has stated that five automobile manufacturers have already met the federal standards for air pollution control in their 1968 cars and it is expected that all auto manufacturers will meet these standards by the time the new models are in production.



THE BIG REBELS, rarin' to go, make up stiff competition for other teams in the Classic League. In the front row are Jack Barnett, L. E. Sikes and Jim Shoemaker. In the rear, from left, are Captain Jack Spears, J. C. Bryant and Norman Jarvis.

Hits & Misses Improve Lead

The Hits & Misses took the only sweep of the week in the Mixed Bowling League to improve their lead. They took four from the Twisters. Other matches were draws as teams shared two points each . . . the Goofers and Roses 'N Thorns . . . the McSprays and Alley Cats . . . and the Rollers and Mustangs.

Dora Ely, Mustangs, rolled high women's singles, posting a 181 scratch game . . . 237 handicap. Mabel Tyer, Hits & Misses, amassed a 473 scratch, 620 handicap series.

On the men's side it was Charley Gillihan, Rollers, with a 217 scratch game . . . 249 handicap single. Bill Hackett, Roses 'N Thorns, put a 593 scratch, 662 handicap series on the books.

The Rollers rolled high singles . . . 657 scratch, 826 handicap . . . while the Mustangs mustered an 1843 scratch series. The Goofers gained a 2290 handicap series.

League standings follow:

Team	W	L
Hits & Misses	15	7
Goofers	9	7
Roses 'N Thorns	9	7
McSprays	8	8
Alley Cats	7	9
Rollers	7	9
Mustangs	6	10
Twisters	3	13

Horseshoe Pitchers Chilled By Autumn

Horseshoe league action, regularly scheduled for Thursday night, was postponed because of rain and cold weather. Make up matches are scheduled for tomorrow (Thursday) night and all league members are urged to "gather at the pits" as soon as possible in order to complete make up and the regular scheduled matches.

Rebels Are Tied In Classic Lead

The Rebels and Splinters, of the Classic League, bowled over their opposition in Thursday night's meet by "goose-egging" them—the Rebels over the Pinbusters, and the Splinters over the Screwballs . . . 0. Taking their opponents for three point wins were the Has Beens over the Rippers, the Bumpers over the All Stars, the Tigers over the Eightballs, and the Swingsters over the Eagles. Practicing the philosophy of "live and let live" were the Markers-Playboys and Smelters-Cubs who settled for two points each.

The Rebels, by virtue of their shut-out of the Pinbusters, climbed into a tie with the Has Beens for first place.

Individual honors saw a real close one for high scratch single as R. W. "Dick" Brothers, Playboys, Clyde W. Craven, Bumpers, and George Cantrell, Swingsters, had a 223. Handicap honor went to Spence Ferguson, Bumpers, with a 257. Scratch series honor went to Norman Jarvis, Rebels, with 595 and handicap-wise it was again Spence Ferguson with a cool 673. Team honors found the Bumpers all alone and "hogging the board" with a single scratch game of 915 and 1053 handicap. Scratch series they had a 2606 and handicap with a grand total of 2956.

Team	W	L
Has Beens	13	3
Rebels	13	3
Bumpers	11½	4½
Tigers	11	5
Swingsters	10	6
Markers	9	7
Pinbusters	8	8
Rippers	8	8
Splinters	8	8
Eightballs	7	9
All Stars	7	9
Smelters	7	9
Playboys	7	9
Cubs	5½	10½
Eagles	2	14
Screwballs	1	15



DO-SE-DO AND I DON'T CARE . . . swing the Oak Ridge Folk Elm Grove School, Tennessee Avenue, Oak Ridge. Fall sessions Dancers. The Folk Dancers meet each Wednesday at 8 p.m. at are just gettin' gunderway, and the dancers say come on out.



UNION CARBIDE CORPORATION
NUCLEAR DIVISION
P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

(RETURN REQUESTED)

BULK RATE
U.S. Postage
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Oak Ridge, Tenn.
Permit No. 71



Y-12 SONS ON THE BIG RED include the above youths. Many parents are represented on the Wildcats Squad this year in Oak Ridge. (Unfortunately, space does not allow the parent's name . . . and a couple of players are identified by last name only.) In the front row, from left, are Gary Butner, Larry Dickens, Brad Holzknecht, Jerry Jenkins, Alan Beddingfield, Charles Rice, Chip Murphy, Tommy Thompson and David Cowser. In the middle numbers 86 and 30 are Mike Henderson and Eddie Hickman. In the back row are Sam Neimeier, Bill Gamble, Rick Lindover, Ronnie Allen, Weaver, Larry Creech, Terry Johnson, Tommy Miner, Jack Stossdill, Joe Brummett, Pat Rader, Larry Hogg, Micky Weist, Gerald Scott, Ben Hetzler, Kem Sesson and McClellan.



**FIRE PREVENTION
WEEK OCT. 8-14**

Newcomer Bray Sparks Skeeters

Leon Bray, Y-12, one of the new shooters, won the first place in September Skeet shooting, with ORNL's H. D. Wills, and R. Morgan, also from ORNL, in third place. Bray's 48.524 handicap led the field.

Many of the new shooters are improving to where the old-timers are being hard pushed.

Bird-shooters wishing to join in the fun are asked out to the Sportsmen's Association field.

Another shoot was set for last Sunday, October 1.

Skeet Shooting Scores:

Fire	H'Cap Score
R. A. Allstun, Y-12*	48.768
L. M. Bray, Y-12	48.524
R. H. McNabb	46.409
H. D. Wills, X-10	47.706
J. M. Case, Y-12*	49.035
C. Asmanes, Y-12*	47.756
F. S. Patton, Y-12	47.411
F. R. Welfare, X-10	47.120
R. Powers, Y-12	47.400
W. E. Brundage, X-10	48.482
R. Morgan, X-10	47.440

And How Would You Ship A Dinosaur?

In case you ever want to ship a priceless, half-ton skull of a dinosaur, lean heavily on Union Carbide and the chemical industry.

First, wrap it carefully in vinyl film and then cover it with tissue paper. Put it on a pedestal support and build a crate around it. Then mix some urethane foam chemicals and pour the mixture into the crate. In a few minutes they'll foam up around the skull and completely encapsulate it in a lightweight, cellular matrix. Remove the pedestal and put the crate with the skull in it into another crate. Then fill the space between the two crates with more

Big Five Keeps C Alley Lead

The Big Five kept their slim one-point lead in the C Bowling race last week by taking the HiLifers for three points. All other teams up there kept slugging as the Badgers belted three from the Invalids, the Rollmasters rolled over the Parbusters, and the King Pins kayoed the Royal Flush. The Fireballs also won three from the Sunflowers.

Sharing two it was the Rodders and Rounders.

P. E. 'Eddie' Edwards, Invalids, paced a hot game . . . 247 scratch, 290 handicap! Ernest L. Croley, HiLifers, posted a 589 scratch, 691 handicap series.

The Big Five rolled a 900 scratch single count . . . while the Invalids put a 1063 big high handicap single on the books. The Big Five returned to the boards with series of 2638 scratch, 2983 handicap.

League standings follow:

Team	W	L
Big Five	9	3
Badgers	8	4
Rollmasters	7	5
King Pins	7	5
ParBusters	6	6
Fireballs	6	6
Sunflowers	6	6
Rodders	6	6
Royal Flush	6	6
Rounders	4	8
HiLifers	4	8
Invalids	3	9

urethane foam; label it; and call the shipping department.

This fool-proof method was recently used to ship the brittle, delicate, several-million-years-old skull of a Triceratops Brevicornis from Yale University's Peabody Museum to the Institute of Paleontology in Munich, Germany.

There is no time for security compacency.

Welding Society Meets Tuesday In Oak Ridge

The regular monthly meeting of the Northeast Tennessee Section of the American Welding Society will be held next Tuesday, October 10, at the Holiday Inn, Oak Ridge.

Refreshments will be served at 6:30 p.m., dinner starting at 7:15. The technical meeting begins at 8 p.m.

Speaker for October is H. E. Cable, Weld Tooling Corporation. He will speak on "The Neglected Factor in Welding: Fabrication."

All AWS members and others interested in welding or brazing are urged to attend. Reservations for dinner may be made through C. R. Eichelberger, extension 3-5851.

HEART ATTACK SURVIVAL

The National Heart Institute states that loss of sleep and the moderate use of coffee and alcohol have no relation to a greater risk of heart disease. However, obesity, sedentary life and smoking reduce the chance of surviving a heart attack.

A telephone talks to anyone who listens.



October's bright blue weather accompanies some special dates for Y-12ers, celebrating important milestones with Union Carbide Corporation. Congratulations.

20 YEARS

Harold V. Craft, Electrical Department, October 9.

15 YEARS

George A. Schierbaum, Process Maintenance, October 6.

Cecil R. Webber, Research Services, October 8.

George H. Heins, Environmental Control Engineering, October 9.

Ralph E. Reynolds, Data Processing, October 9.

William G. Butturini, Dispatching Department, October 10.

Richard H. Holbrook, Production Scheduling, October 10.

10 YEARS

Jack Cooper, Janitors Department, October 4.

Arch. L. Walker, Janitors Department, October 7.

Self-Extinguishing Fire Is Predicted

A fire that extinguishes itself will be developed within the next decade, according to Dr. Henry Smith, chief of fireman training at Texas A. & M. University.

In his address at the 40th annual conference of the Southwestern Division, International Association of Fire Chiefs, Smith stated: "Partly self-extinguishing fires will result from future building materials impregnated with chemicals which will produce a smothering action on the flames."

ART SURVIVAL

Many of the paintings that were attacked by mildew after the catastrophic flood in Florence, Italy, have been restored by an American drug. According to the New York State Department of Health, wall frescoes and paintings were sprayed with the drug with rapid beneficial results. The drug is used in humans to treat various diseases and conditions caused by different fungi. Since mildew is also a fungus growth, the drug was tried and proved effective in removing it from the art work.



FOR MORE THAN EIGHT YEARS of loyal service, Elinor Charpie received a handsome Union Carbide Retirement Certificate from George B. Lockhart, Product Engineering; as Kenneth W. Sommerfeld, left, looks on. Mrs. Charpie retired from Y-12 last Friday, to her East Drive, Oak Ridge, home.